

## Iso-Flex® 780 Base Coat

### PRODUCT DESCRIPTION

Iso-Flex 780 Base Coat is a cold, liquid applied, urethane elastomeric deck coating membrane that is usually combined with an integral, urethane, skid resistant traffic topping designed for use under direct exposure to vehicular traffic. All Iso-Flex deck coating systems are attractive and durable, and are designed to protect the deck surface from water and/or chloride penetration.

The Iso-Flex 780 Base Coat system requires a primer (as recommended by the manufacturer), and is a one-part elastomeric urethane membrane bonded continuously to the substrate for protection against water damage. One or more urethane traffic topping coats with encapsulated aggregate can be incorporated for skid resistance.

### BASIC USES

Applications for Iso-Flex 780 Base Coat system include a wide variety of surfaces that will be subsequently covered by tiles, floorboards, plywood or polyurethane topcoats. Typical installations would include parking decks, mechanical room floors, roof decks, plazas, recreation decks, walkways, balconies, and other surfaces where waterproofing coated surfaces are needed.

### ADVANTAGES

- Iso-Flex 780 Base Coat is a system that develops a continuous bond to most substrates and is impervious to water and/or chloride penetration.
- The coating never age hardens, remains flexible over a wide temperature range, and is able to successfully bridge existing small cracks.
- Iso-Flex 780 Base Coat system can be utilized with a variety of traffic toppings, providing flexibility for various service conditions and aesthetics.

### TECHNICAL DATA FROM LABORATORY TESTS

(Field Properties may Vary)

Property	Test Method	780 Base Coat
Weight		9.3 lbs/gal.
Hardness (Shore A)	ASTM D2240	60-70
Viscosity @ 77°F(25°C)	ASTM D2196 #4 RVT @ 20 rpm	3000-6000 cps
Flash Point	ASTM D93	110°F (43.3°C)
Cure Time @ 77°F(25°C)	ASTM C920	24 hours
Abrasion Resistance	ASTM D4060 Tabor 1000 rev CS17 Wheel, 1000 grams	Loss 0.01 grams
Weathering Resistance	ASTM G53-83	Yellowing
Permeability	ASTM E398	1.6 perms
Peel Adhesion	ASTM C794	30 pli
Tensile Strength	ASTM D412	1200 psi
Ultimate Elongation	ASTM D412	600%
Tear Resistance	ASTM D1004	80 pli
% Yield (Wet→Dry)		86%
Pot Life @ 77°F(25°C)	ASTM C603	1 hour
Shelf Life @ 77°F(25°C)	(in sealed containers)	6 months
Chemical Resistance	No effect on System from Common Oils, Salts, Alkalis, Motor Oil, Anti-Freeze, Gasoline, Mineral Spirits	

## LIMITATIONS

- Iso-Flex 780 Base Coat system is designed for application in relatively thin mil film thicknesses.
- The coating develops a chemical bond to the primed substrates to which it is applied. Curing agents, form releases, sealers, etc., may interfere with good adhesion. Therefore, surfaces to receive the product should be free of these and other potential contaminants.
- Application must be to clean, sound, dry substrates at temperatures above 40° F (5° C).
- Adequate ventilation, as recommended by the manufacturer, must be provided in application areas.

## PACKAGING

Iso-Flex 780 Base Coat is available in 5 and 53 gallon containers.

## STANDARD COLOR

Concrete Grey (*Special colors available upon request*)

## INSTALLATION

**Preliminary:** Surfaces to receive Iso-Flex 780 Base Coat system must be clean, dry, sound, relatively smooth and free of voids, ridges and sharp projections. New concrete surfaces should be water cured or cured with compatible curing compounds.

**Surface Preparation:** Shotblasting must be employed to provide a sound, clean substrate. In areas where shotblasting is not feasible, consult the manufacturer for other methods of surface preparation.

**Detailing:** Joints or cracks should be pretreated prior to general application by routing, grinding and sealing or overbanding with compatible Iso-Flex products. Terminations and penetrations should also be sealed prior to general application.

**Application:** Iso-Flex 780 Base Coat system must be applied in accordance with manufacturer's specific recommendations.

## PRECAUTIONS

To ensure safe installation of Iso-Flex 780 Base Coat system, please refer to the Material Safety Data Sheets (MSDS), that accompany each product shipment.

## WARRANTY

LymTal warrants that its products are manufactured free of defects and conform to the technical data listed. Under this warranty we will replace, at no charge, any material proven defective when applied in accordance with our written instructions for applications recommended by us as suitable for subject product. LymTal shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use of the product.

*Revised: 10/07*

## LymTal International, Inc.

4150 South Lapeer Road • Lake Orion, MI 48359 • Tel (248) 373-8100 • Fax (248) 373-3480 • [www.lymtal.com](http://www.lymtal.com)